

## File S2

### List of genomes used for reciprocal BLAST

*Aquilegia coerulea*, *Arabidopsis lyrata*, *Arabidopsis thaliana*, *Brachypodium distachyon*, *Brassica rapa*, *Capsella rubella*, *Carica papaya*, *Chlamydomonas reinhardtii*, *Citrus clementina*, *Citrus sinensis*, *Cucumis sativus*, *Eucalyptus grandis*, *Glycine max*, *Linum usitatissimum*, *Malus domestica*, *Manihot esculenta*, *Medicago truncatula*, *Mimulus guttatus*, *Oryza sativa*, *Panicum virgatum*, *Phaseolus vulgaris*, *Physcomitrella patens*, *Populus trichocarpa*, *Prunus persica*, *Ricinus communis*, *Selaginella moellendorffii*, *Setaria italica*, *Sorghum bicolor*, *Thellungiella halophila*, *Vitis vinifera*, *Volvox carteri*.